

FIG. 1

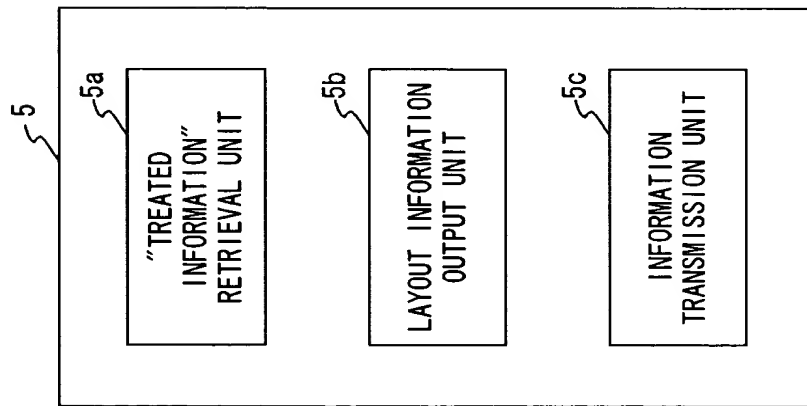


FIG. 2A

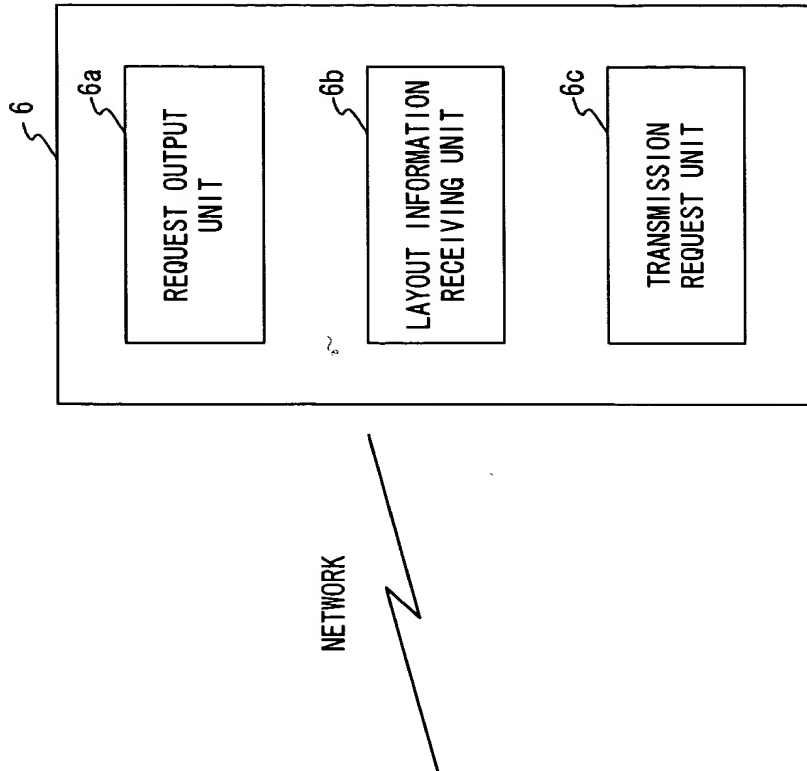


FIG. 2B

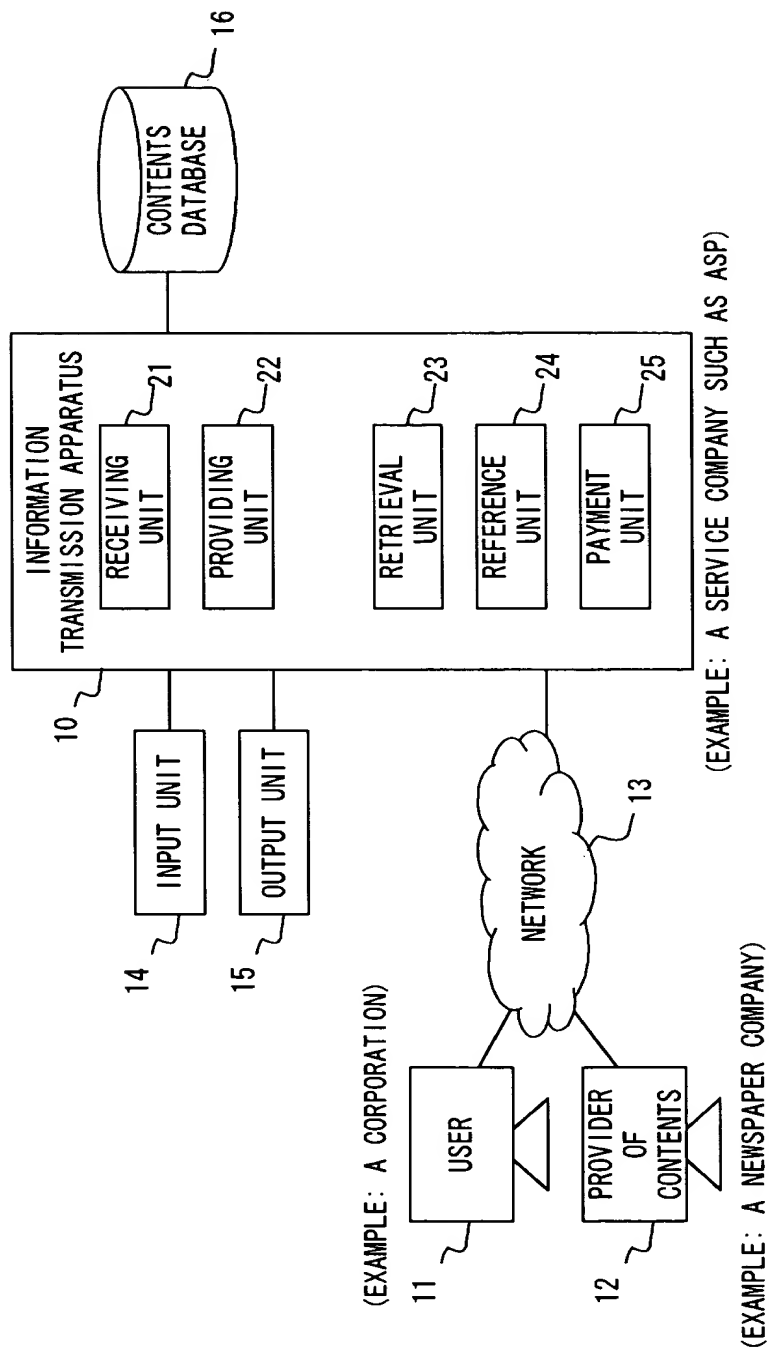


FIG. 3

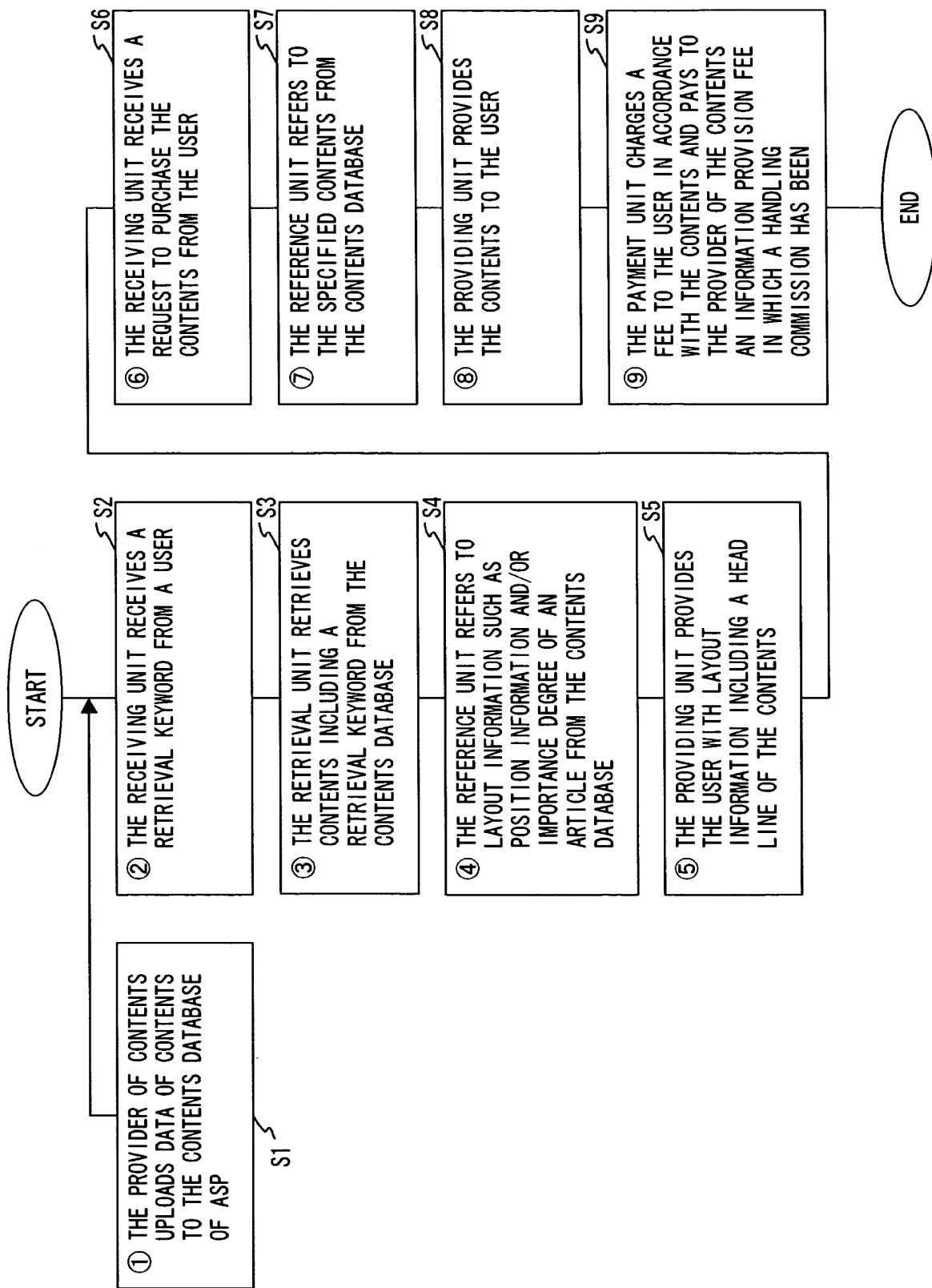


FIG. 4

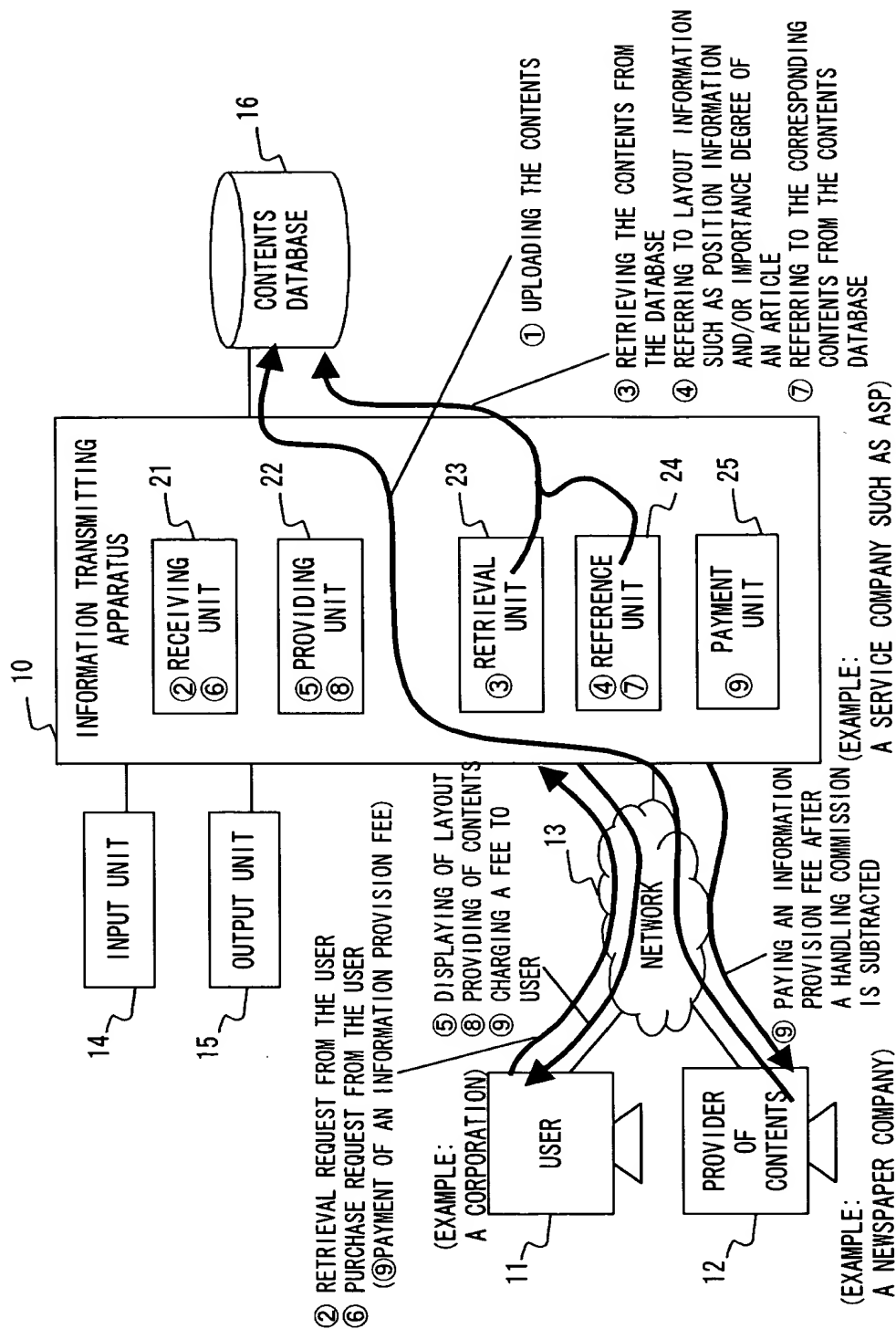
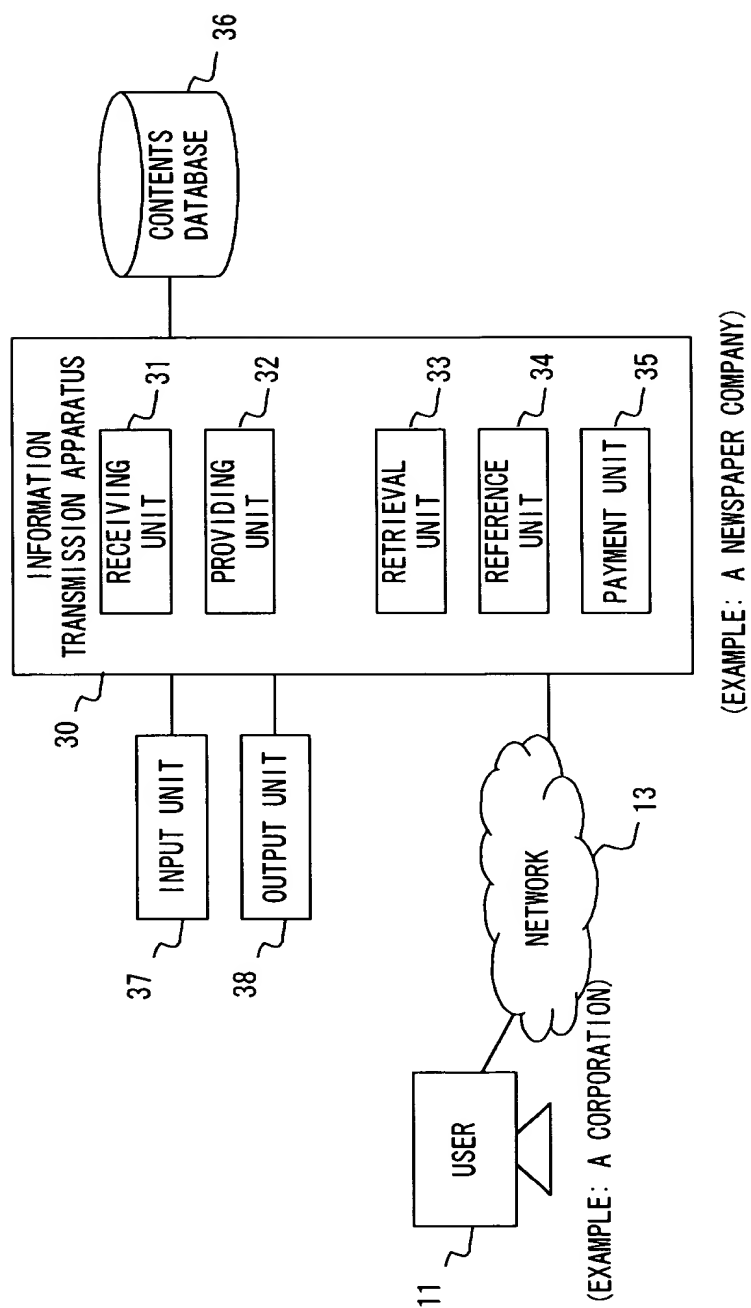


FIG. 5



F I G. 6

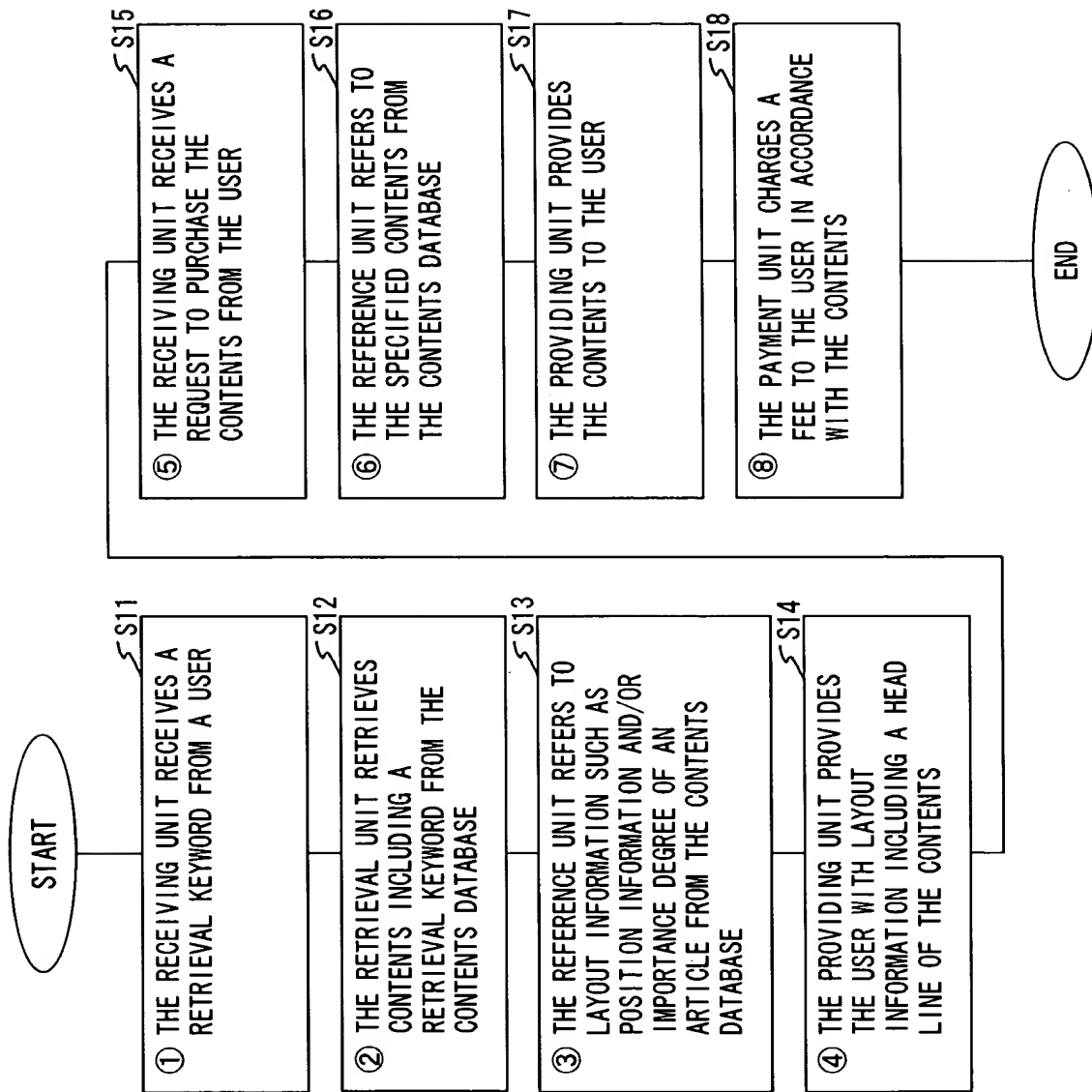


FIG. 7

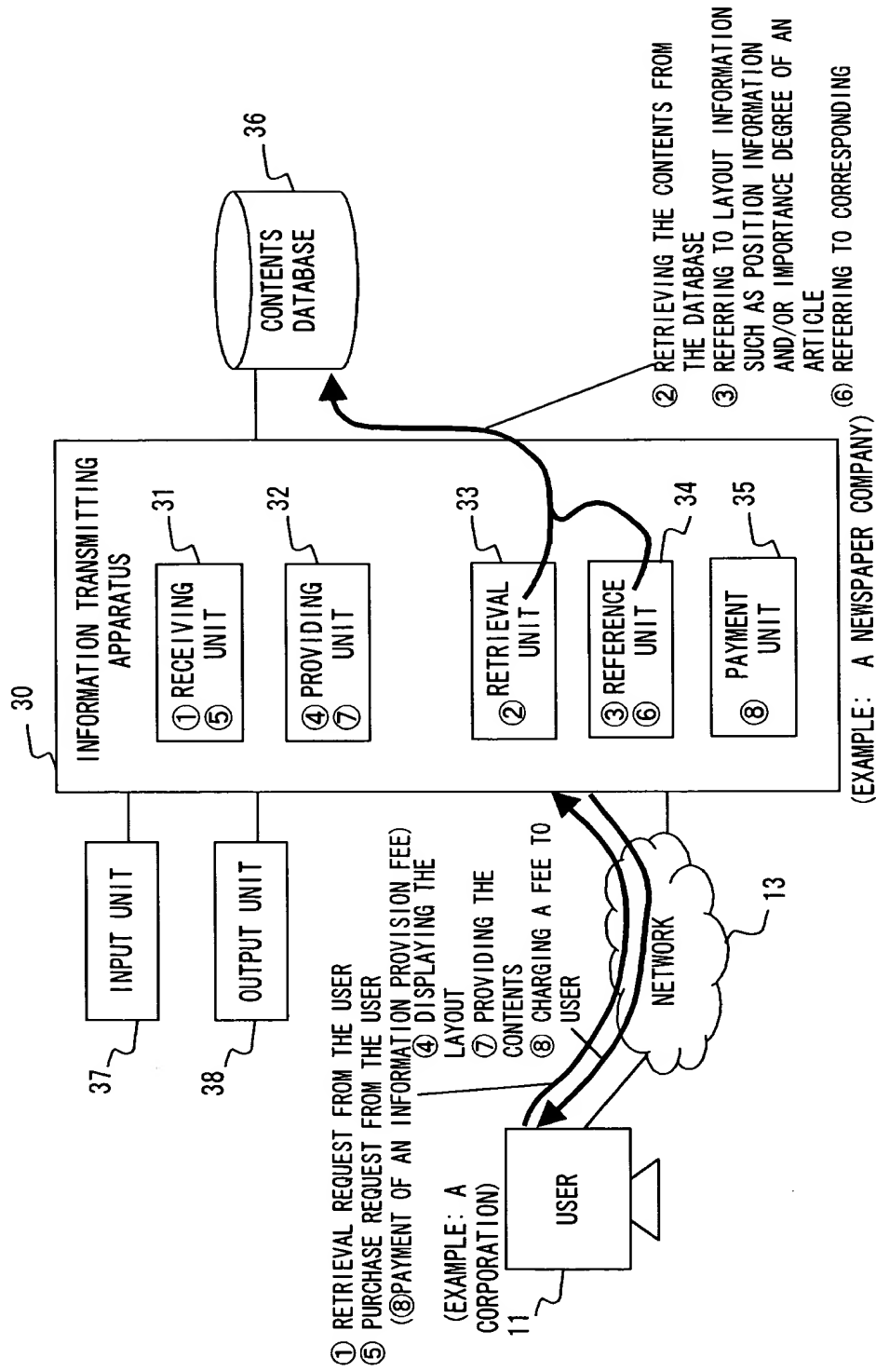


FIG. 8

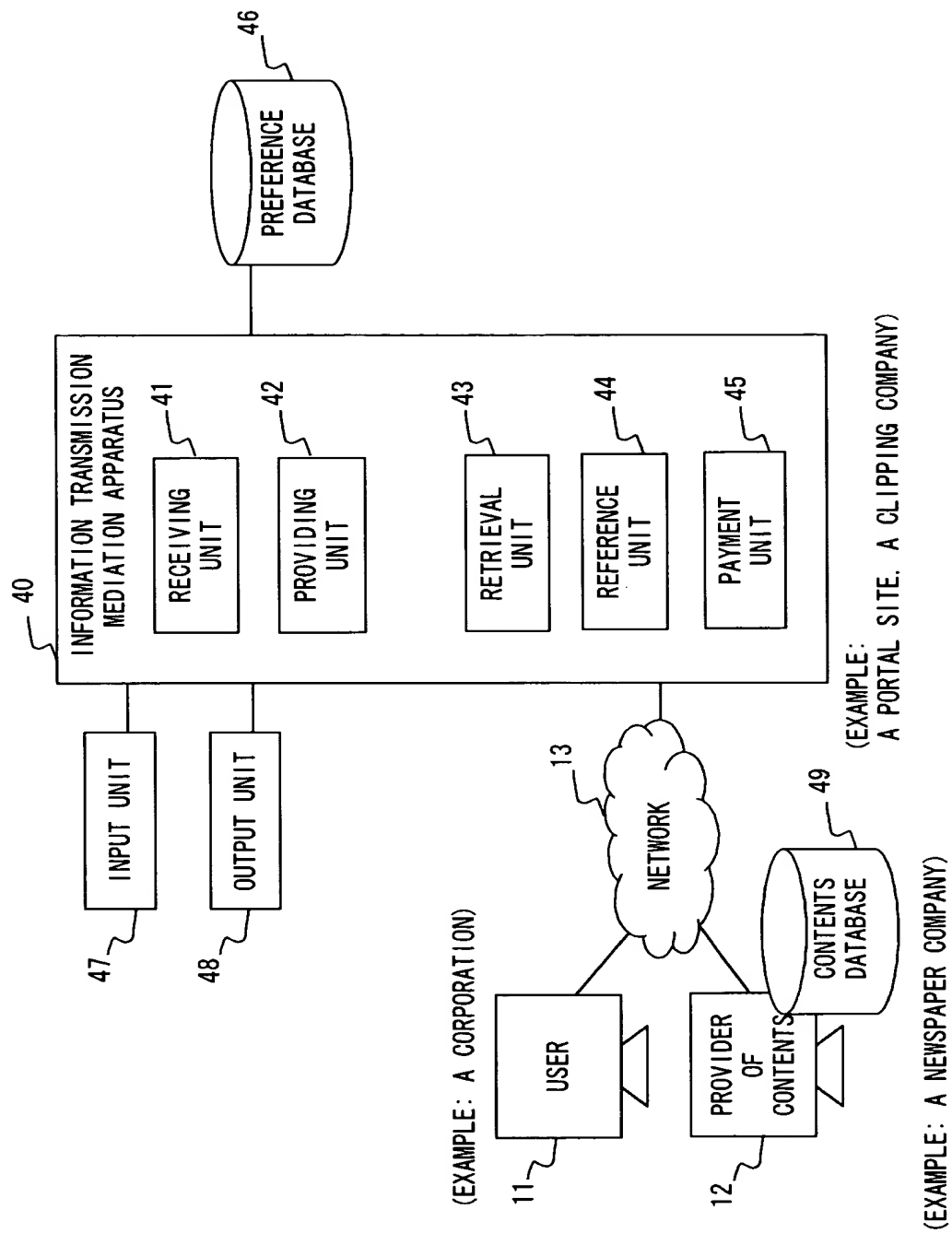


FIG. 9

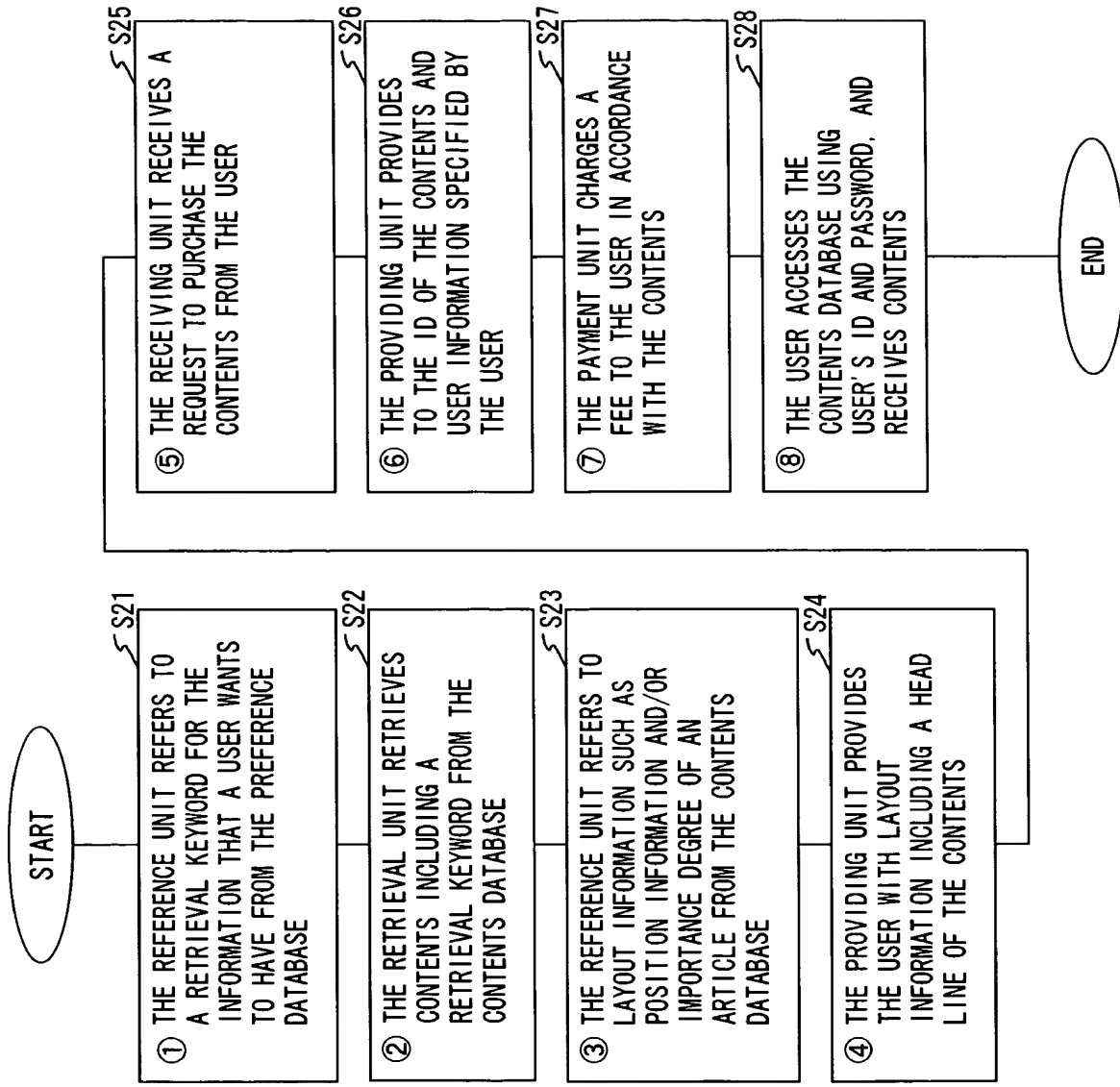


FIG. 10

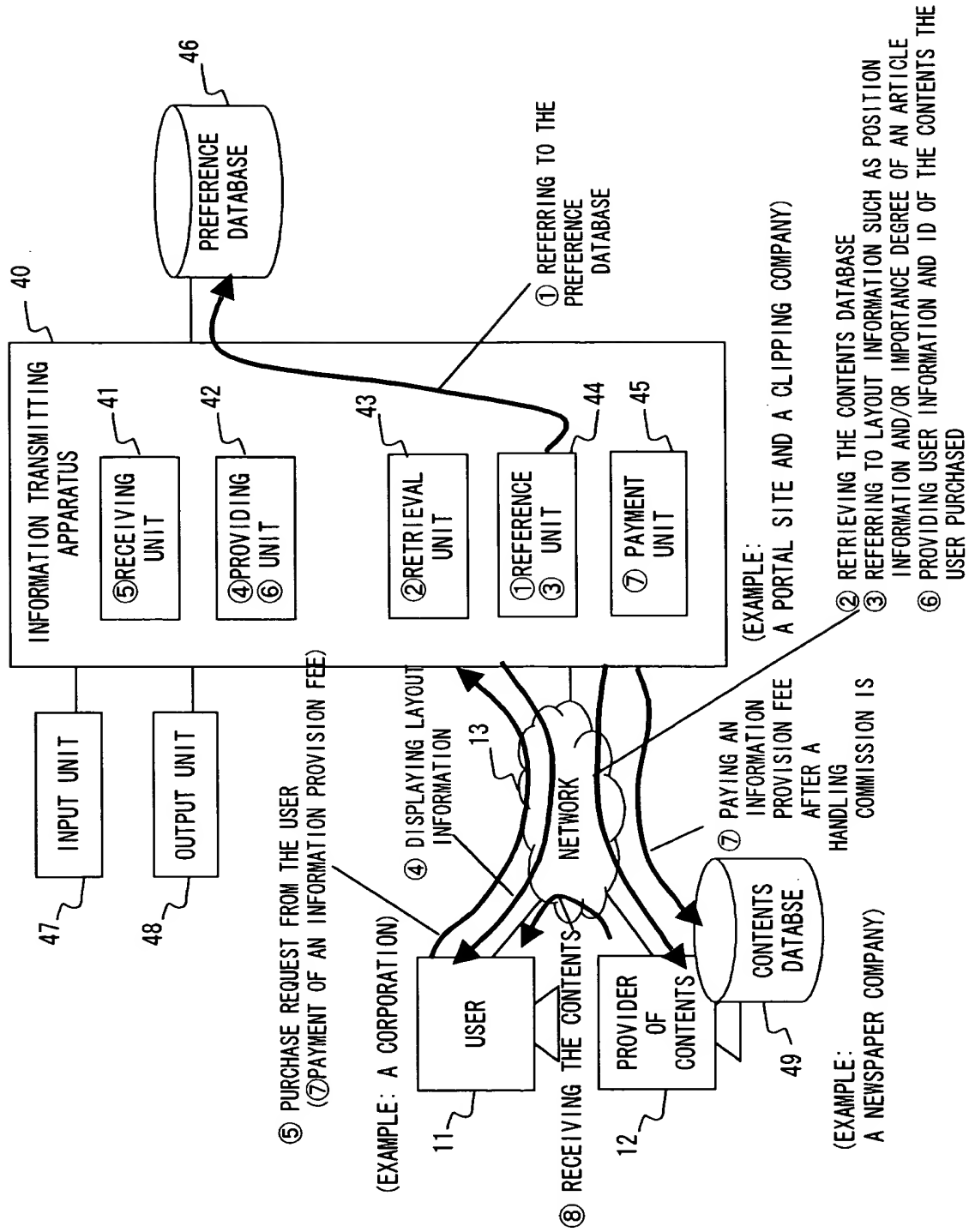
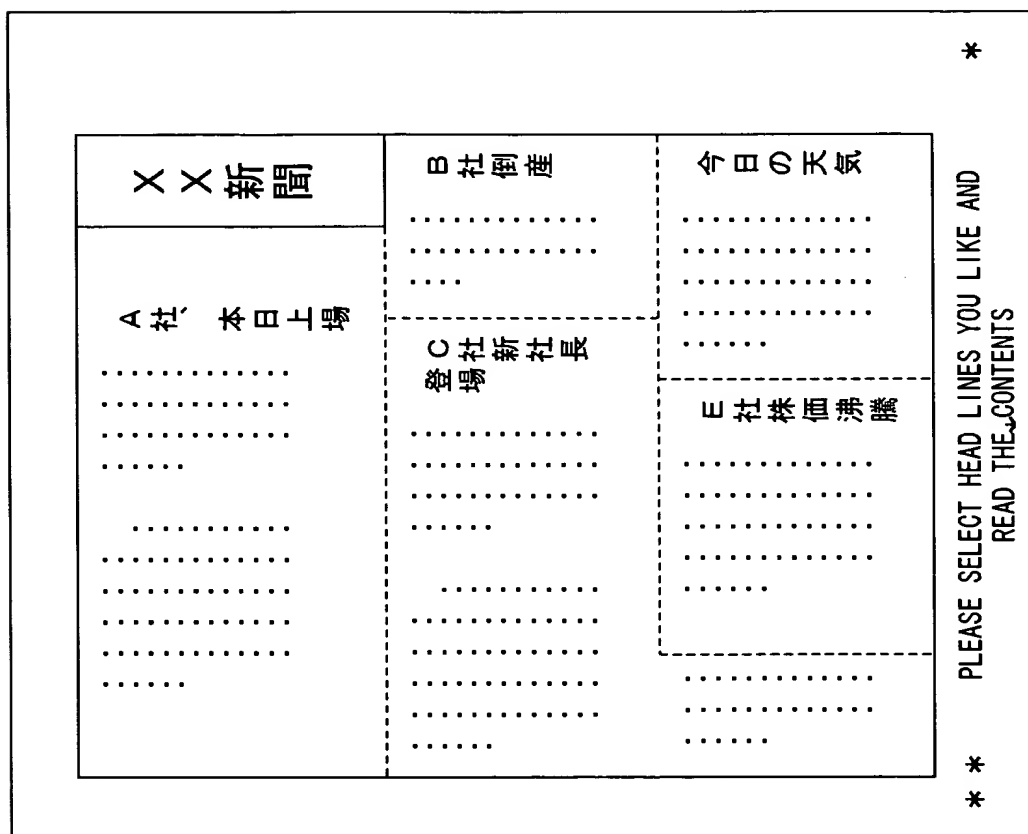


FIG. 1



<p>い。にお究場にる。Aし歳社を3をに同を東A社、</p> <p>ひと今投資3力本はと眠日へき以5確不</p> <p>注のを千千本は、運呼間時十の連に況の</p> <p>目成計億土へ上場すが、半社利益で積中</p> <p>しり行しこのの研工後</p>		<p>XX新聞</p>		<p>B 社倒産</p>		<p>大 訪 問 臣 D 国 を</p>		<p>今日の天気</p>	
<p>A 社、本日上場</p>		<p>C 社新社長</p>		<p>E 社株価沸騰</p>		<p>訪 問 臣 D 国 を</p>		<p>今日の天気</p>	
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FIG. 13

61		62		63		64		65		66		67	
CONTENTS ID	NAME OF NEWSPAPER	DATE AND ISSUED TIME		POSITION		IMPORTANCE DEGREE		INFORMATION FEE		RETRIEVAL KEY			
A0001	× × NEWSPAPER	2000.8.1 6:20		1-1-1		B		45 YEN		CORPORATION A LISTS STOCK			
A0002	× × NEWSPAPER	2000.8.1 6:25		1-4-1		A		100 YEN		TYPHOON			
...					
B0050	○○ NEWSPAPER	2000.7.30 15:01		2-2-1		C		15 YEN		○○ MINISTER			
B0051	○○ NEWSPAPER	2000.7.30 15:06		2-2-2		B		25 YEN		STOCK PRICE			
...					

A0001

CORPORATION A HAS ANNOUNCED THAT IT WOULD HAVE ITS STOCK LISTED IN THE FIRST SECTION OF THE TOKYO STOCK EXCHANGE ON 15TH NEXT MONTH
.....

A0002

APPROACHING THIRD TYPHOON IS
.....

PHOTOGRAPH

....

FIG. 14

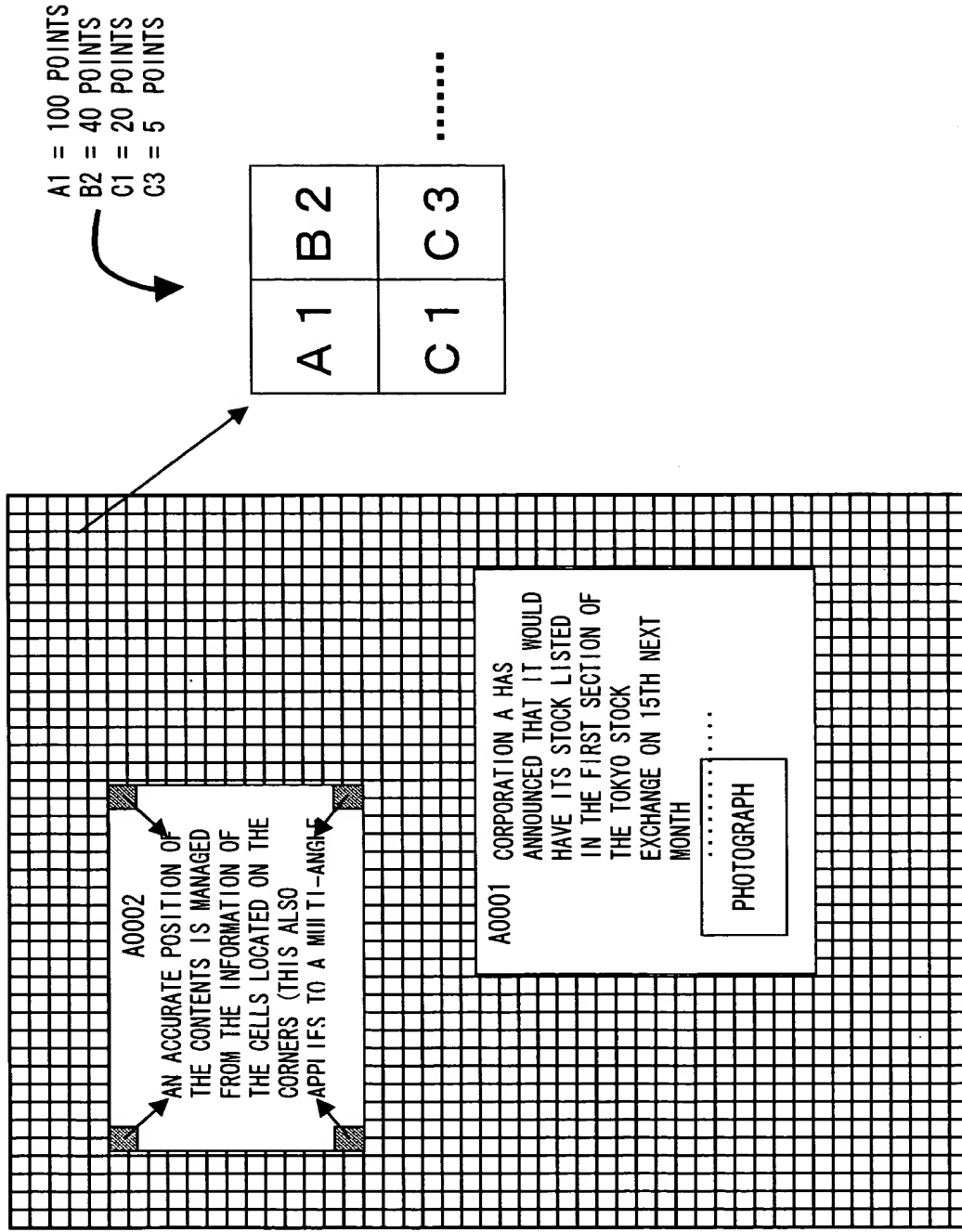


FIG. 15

70
↓

71 72 RETRIEVAL KEY 73

PREFERENCE ID	NAME OF CUSTOMER	RETRIEVAL KEY 1	RETRIEVAL KEY 2	RETRIEVAL KEY 3	RETRIEVAL KEY 4	RETRIEVAL KEY 5
A000001	x x CO. LTD.	SEMICONDUCTOR	MEMORY	DRAM	FCRAM	LSI
A000002	x x TRADING CORPORATION	STOCK	LISTED ON THE STOCK MARKET	ELECTRICITY	OIL	CHEMISTRY
...
B000050	OO REAL ESTATE	PRICE OF LAND	HOUSES	MANSION	RENT	REAL ESTATE
B000051	OO LTD.	COMPUTER	SERVER	WINDOWS	LINUX	OS
...

CONTENTS DATABASE

NAME OF CUSTOMER	RETRIEVAL DATE OF CONTENTS	CONTENTS 1	CONTENTS 2	CONTENTS 3	CONTENTS 4
x x CO. LTD.	2000. 9. 28 10:21:20	A0002	A0003	A0005	B0004
x x TRADING CORPORATION	2000. 9. 28 10:21:30	A0001	A0002	A0003	B0001
...
OO REAL ESTATE	2000. 9. 28 10:24:16	A0002	A0003	A0004	F0003
OO LTD.	2000. 9. 28 10:24:19	A0002	A0003	B0001	B0002
...

FIG. 16

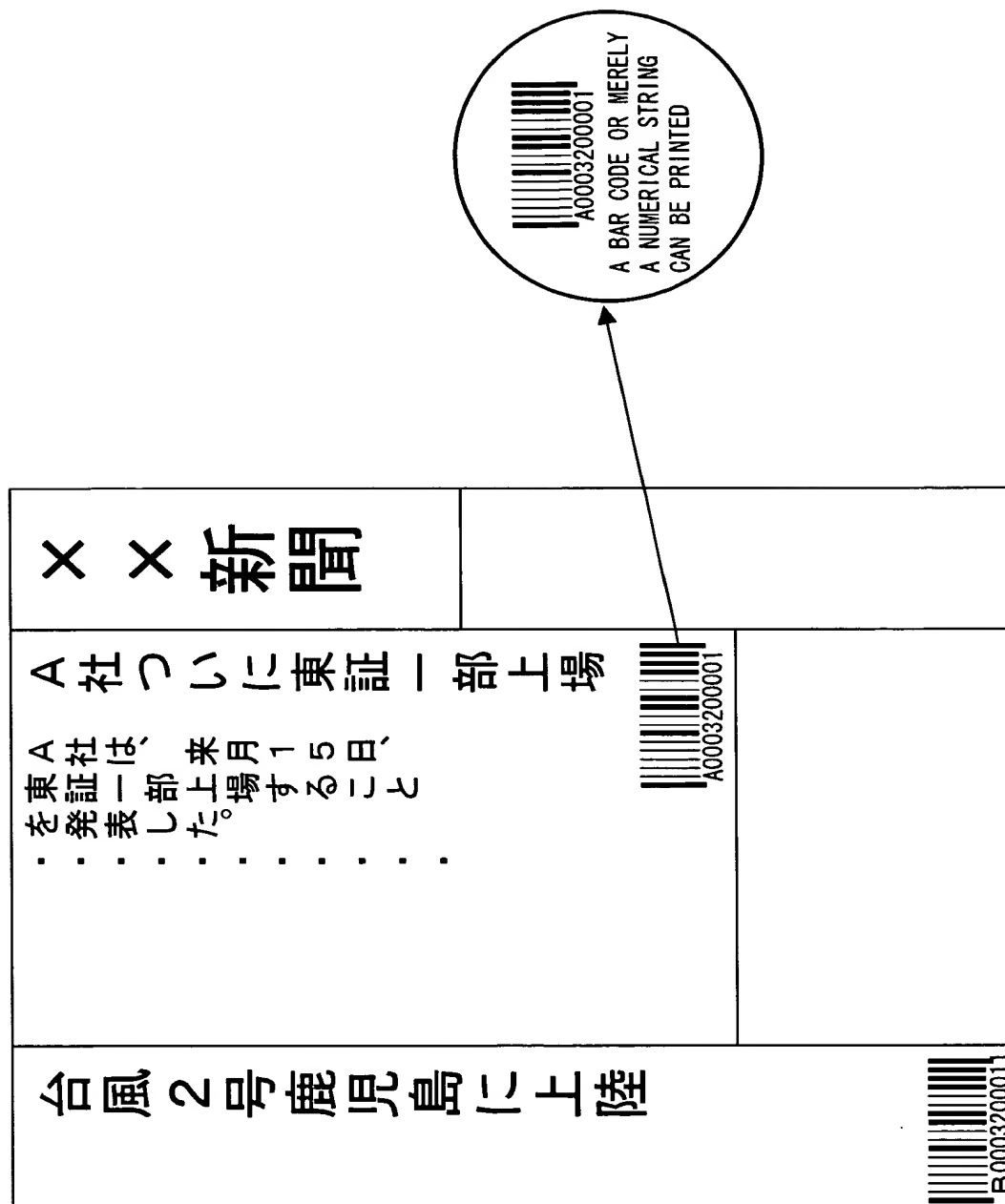


FIG. 17

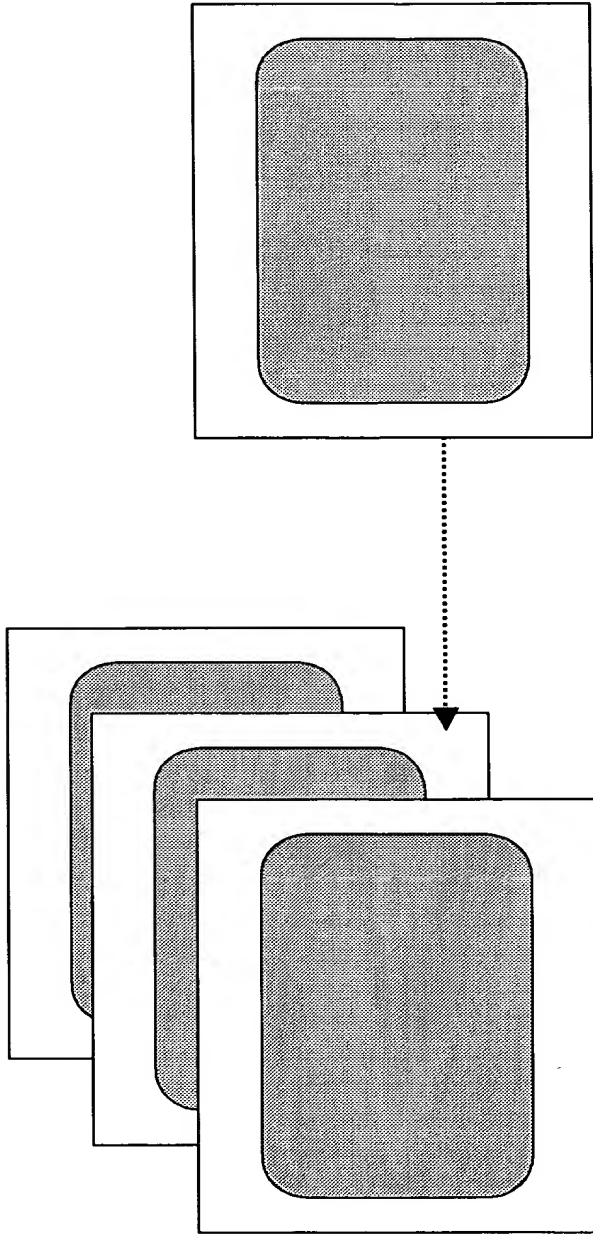



FIG. 18

Diagram illustrating a program data store. A cylinder labeled "PROGRAM (DATA)" is connected to a box labeled "PROGRAM (DATA)".



PROGRAM
(DATA)

$$Z$$

COMPUTER 51

MEMORY 53 SUCH AS
RAM AND HARD DISK

PROGRAM
(DATA)

MAIN UNIT 52

LOAD

The diagram shows a rounded rectangle representing the computer, connected to a rectangular box labeled 'MEMORY 53 SUCH AS RAM AND HARD DISK' which contains the text 'PROGRAM (DATA)'. Below the computer is a trapezoidal shape representing the 'MAIN UNIT 52'. A small rectangle is positioned between the computer and the main unit. A curved arrow labeled 'LOAD' points from the bottom towards this small rectangle. A line also connects the computer to the main unit.

PROGRAM
(DATA)

PROGRAM
(DATA)




Diagram illustrating the storage media used for the program and data:

- PROGRAM (DATA)
- CD-ROM AND FLOPPY




Diagram illustrating the storage media used for the program and data:

- PROGRAM (DATA)
- CD-ROM AND FLOPPY

PORTABLE STORAGE MEDIUM 55
THAT IS COMMERCIAL

FIG. 19

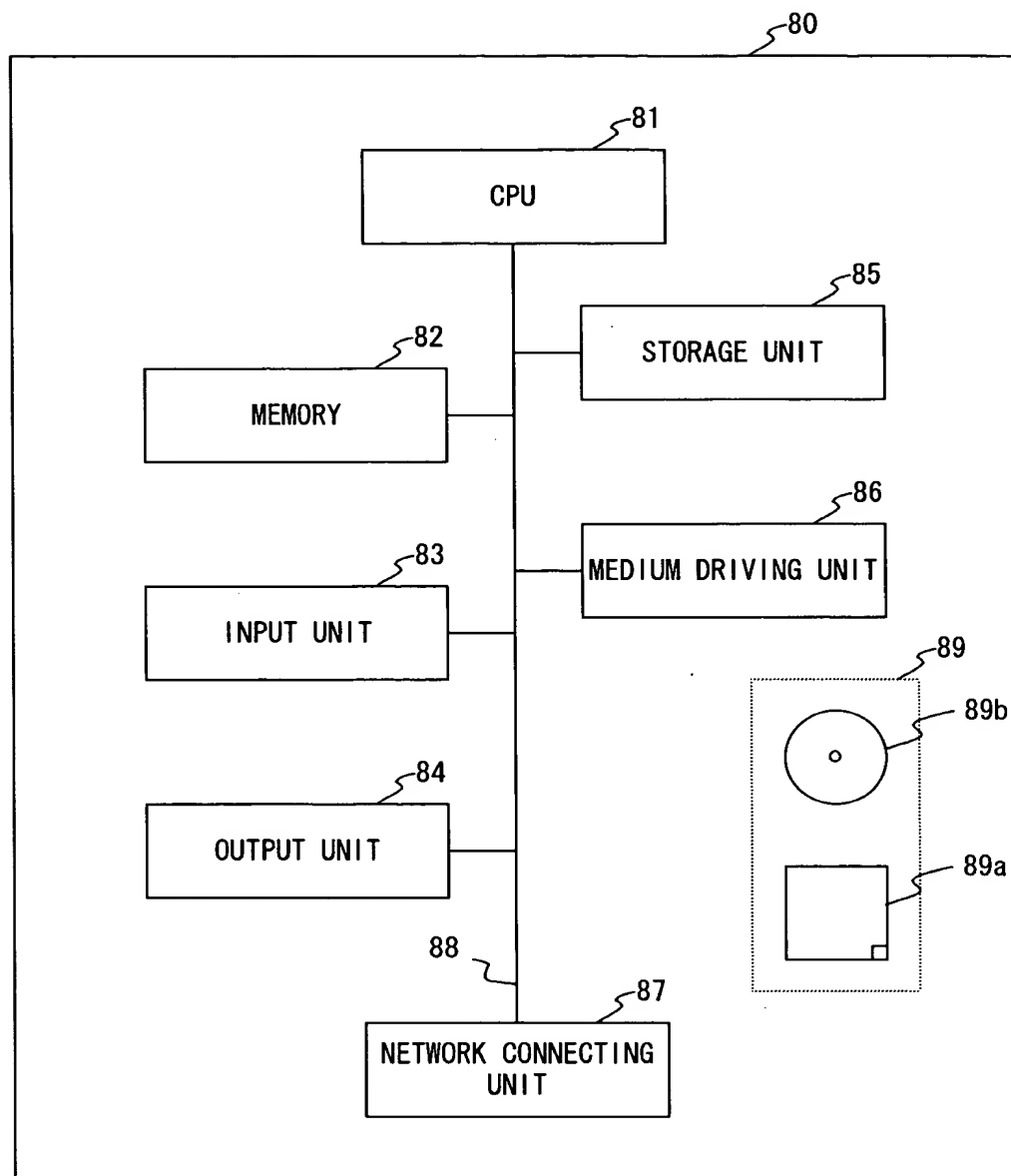


FIG. 20